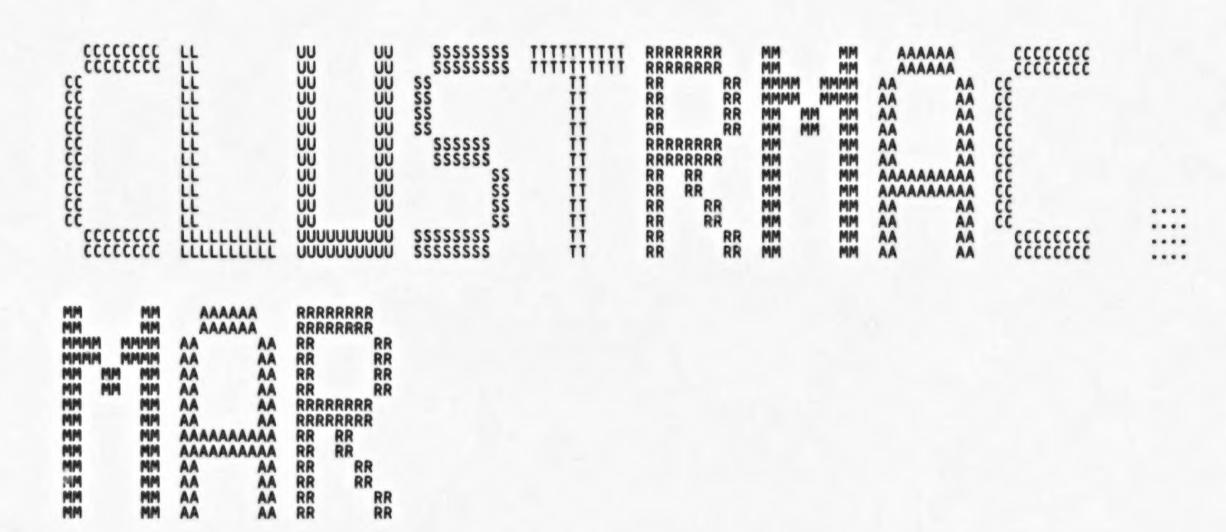
\$	YYY YYY YYY YYY	\$	LLL	00000000 00000000 00000000	AAAAAAA AAAAAAA AAAAAAA
\$\$\$ \$\$\$ \$\$\$ \$\$\$	AAA AAA	\$\$\$ \$\$\$ \$\$\$ \$\$\$		000 000 000 000 000 000	AAA AAA AAA AAA
\$\$\$ \$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$	****	\$\$\$ \$\$\$ \$\$\$\$\$\$\$\$\$		000 000 000 000 000 000	AAA AAA AAA AAA
\$\$\$ \$\$\$ \$\$\$	444 444 444	\$\$\$\$\$\$\$\$\$\$ \$\$\$ \$\$\$ \$\$\$		000 000 000 000 000 000	AAA AAAAAAAAAAAAA AAAAAAAAAAAA
\$\$\$ \$\$\$ \$\$\$ \$\$\$	444 444 444	\$\$\$ \$\$\$ \$\$\$ \$\$\$		000 000 000 000 000 000	AAA AAA AAA AAA
\$	***	\$		00000000	AAA AAA

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.TITLE CLUSTRLOA\_MACROS

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VAX/VMS EXECUTIVE, VAXcluster MANAGEMENT

ABSTRACT:

This module contains macros in common use by the VAXcluster management routines.

AUTHOR: Ralph O. Weber

21-JUN-1983

MODIFIED BY:

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CLUSTRMAC.MAR;1
            .SBTTL CSID_TO_CSB
:++
            This macro converts a CSID to a CSB.
: Inputs:
            R3
                        CSID
: Outputs:
            RO & R1 destroyed
                        CSB address [default = RO]
error exit address (taken when CSID is not valid)
            CSB
            ERROR
            .MACRO CSID_TO_CSB CSB=RO, ERROR
MOVZBL R3.R0
MOVL G^CLU$GL_CLUSVEC.R1
MOVL (R1)[R0],R0
                                                              Get CSID index value.
Get base of CSB vectors.
Get CSB address.
Branch if no CSB for index.
Does input CSID match CSB CSID?
Branch if they don't match.
            BGEQ
                         ERROR
                         CSB$L_CSID(RO),R3
ERROR
             CMPL
            BNEQ
                         DIF <CSB>, RO RO,CSB
             . IF
            MOVL
                                                              : Move CSB to final home.
             .ENDC
             . ENDM
                        CSID_TO_CSB
```

```
CLUSTRMAC.MAR;1

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.SBTTL TEST_CSB_OPEN

This macro transfers to the address specified by the NO argument if the CDB pointed to by R3 is not open.

Inputs:

R3 CSB address

Outputs:

NO transfer address used when CSB is not open
```

: Is connection open?

; Branch if not open.

.MACRO TEST CSB OPEN NO CSB\$B STATE(R3), - WCSB\$R\_OPEN

TEST\_CSB\_OPEN

BNEQ

.ENDM

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